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PTO/SB/08A (08-00)

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/081,864		
		Filing Date	February 20, 2002		
		First Named Inventor	LUKYANOV, SERGEY		
		Group Art Unit	1645		
		Examiner Name	Unassigned		
Sheet	1	of	1	Attorney Docket Number	CLON-067

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U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (If known)			

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HA			WO 01 27150A		Fradkov et al.	04-19-01		

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
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HA		RONALD WETZEL * Mutations and off-pathway aggregation of proteins" <i>Tibtech</i> , May 1994 (Vol. 12) pp. 193-198	
		GEOFFREY S. BAIRD et al. "Biochemistry, mutagenesis, and oligomerization of DsRed, a red fluorescent protein from coral" <i>PNAS</i> , October 24, 2000, Vol. 97, No. 22 pp. 11984-11989.	
		MARK A. WALL et al. "The structural basis for red fluorescence in the tetrameric GFP homolog DsRed" <i>Nature Structural Biology</i> , Vol. 7, No. 12, December 2000, pp. 1133-1138.	
		JENS WIEHLER et al. "Mutants of Discosoma red fluorescent protein with a GFP-like chromophore" <i>FEBS Letter</i> , 487 (2001) pp. 384-389.	

Examiner Signature	Hope Robinson	Date Considered	9/13/04
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		Group Art Unit	1645		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	CLON-067

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AK		GURSKAYA et al. "Color transitions in coral's fluorescent proteins by site-directed mutagenesis" <i>BMC biochemistry</i> (2001) 2:6	
		LUKYANOV et al. "Natural animal coloration can be determined by a nonfluorescent green fluorescent protein homolog", <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 34 08-25-2000 pp. 25879-25882	
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		MARTYNOV, et al. "Alternative cyclization in GFP-like proteins family", <i>J. Bio. Chem.</i> , (2001) Vol. 276(24): 21012-21016.	
		MATZ, et al. "Fluorescent proteins from nonbioluminescent Anthozoa species", <i>Nature Biotechnology</i> , (1999) Vol. 17: 969-973.	
		TERSKIKH, et al. "Fluorescent timer": Protein that changes color with time", <i>Science</i> , (2000) Vol. 290: 1585-1588.	
		TSEIN. "The green fluorescent protein", <i>Ann. Rev. Biochem.</i> , (1998) Vol. 67: 509-544.	
		TSEIN. "Rosy dawn for fluorescent proteins", <i>Nature Biotechnology</i> , (1999) Vol. 17: 956-957.	
		WARD, et al. "An energy transfer protein in coelenterate bioluminescence", <i>J. Bio. Chem.</i> , (1979) Vol. 254(4): 781-787.	
		WIEDENMANN, et al. "The ectodermal pigments of the morphs of <i>Anemonia sp. (sulcata)</i> (Pennant)(Cnidaria; Anthozoa): An adaptation to the life in different depths", <i>Mol. Bio.</i> , (2000) Vol. 36(4): 521-528.	
		YANUSHEVICH, et al. "A strategy for the generation on non-aggregating mutants of <i>Anthozoa</i> fluorescent proteins", <i>FEBS</i> , (2002) Vol. 511: 11-14.	
		YARBROUGH, et al. "Refined crystal structure of DsRed, a fluorescent protein from coral, at 2.0-resolution", <i>PNAS</i> , (2001) Vol. 98(2): 462-467.	

Examiner Signature	<i>Step Robinson</i>	Date Considered	9/13/04
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		Number	Kind Code ² (if known)			
JLR		5,491,084		Chalfie et al.	02-13-1996	
		5,874,304		Zolotukhin	02-23-1999	
		5,919,445		Chao	07-06-1999	
		5,958,713		Thastrup et al.	09-28-1999	
		5,968,738		Anderson et al.	10-19-1999	
		5,968,750		Zolotukhin et al.	10-19-1999	
		5,976,796		Szalay et al.	11-02-1999	
		5,985,577		Bulinski	11-16-1999	
		6,020,192		Muzyczka et al.	02-01-2000	
		6,066,476		Tsien et al.	05-23-2000	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)		
JLR			WO 99/49019		Szent-Gyorgyi	09-30-1999
			WO 00/46233		Hoegh-Guldberg	02-02-2000
			DE19718640A1		Windemann	07/22/1999

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JLR		ANDERLUH, et al. "Cloning, sequencing, and expression of equinatoxin II", <i>Biochem. Biophys. Res. Comm.</i> , (1996) Vol. 220: 437-442.	
		DOVE et al. "Isolation and Partial Characterization of the Pink and Blue Pigments of Pocilloporid" <i>Biol. Bull.</i> 189:288-297 (December, 1995)	
		FRADKOV et al. "Novel Fluorescent protein from Discosoma coral and its mutants possesses a unique far-red fluorescence" <i>FEBS Letters</i> 479 (2000) 127-130	
		GURSKAYA et al. "GFP-like chromoproteins as a source of far-red fluorescent proteins" <i>FEBS Letters</i> 507 (2001) 16-20	

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